



D2840

Description of engines

Characteristics

- Cylinders and arrangement: 10 cylinders in 90° V arrangement
- Mode of operation: Four-stroke diesel engine with direct fuel injection
- Turbocharging: Turbo charger with charge air cooling
- Engine cooling: Water circulation by means of attached rotary pump and front end combination radiator
- Injection: Bosch inline injection pump with electromagnetic actuator
- Engine control: Various types of GAC control unit available on request

D2840

Technical data



Technical features D2840

Mode of operation		ESP				LTP			
		1 500 (50)		1 800 (60)		1 500 (50)		1 800 (60)	
at engine speed	rpm (Hz)								
Engine version		LE 203	LE 213	LE 203	LE 213	LE 201	LE 211	LE 201	LE 211
Bore	mm	128	128	128	128	128	128	128	128
Stroke	mm	142	142	142	142	142	142	142	142
Displacement	l	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
blocked ISO effective power ¹⁾	kW	545	610	585	660	496	545	567	622
Torque	Nm	3 470	3 883	3 104	3 501	3 158	3 466	3 005	3 297
ISO standard power ²⁾	kW	–	–	–	–	–	–	–	–
Torque	Nm	–	–	–	–	–	–	–	–
Net engine power output	kVA	630	700	660	750	570	620	640	700

Mode of operation		PRP				COP			
		1 500 (50)		1 800 (60)		1 500 (50)		1 800 (60)	
at engine speed	rpm (Hz)								
Engine version		LE 201	LE 211	LE 201	LE 211	LE 201	LE 211	LE 201	LE 211
Bore	mm	128	128	128	128	128	128	128	128
Stroke	mm	142	142	142	142	142	142	142	142
Displacement	l	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
blocked ISO effective power ¹⁾	kW	–	–	–	–	–	–	–	–
Torque	Nm	–	–	–	–	–	–	–	–
ISO standard power ^{2) 3)}	kW	451	495	515	565	310	350	390	435
Torque	Nm	2 871	3 151	2 732	2 997	1 974	2 228	2 069	2 308
Net engine power output	kVA	520	570	580	640	350	400	440	480

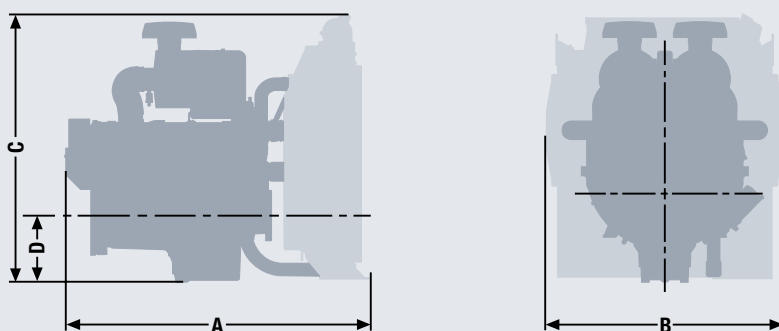
1) Time-limited continuous output that must not be exceeded (IFN).

2) Variable continuous output during PRP operation, can be exceeded by 10 % for limited period (ICXN).

3) Variable continuous output during COP operation, can be exceeded by 10 % (ICXN).

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Dimensions D2840

Type designation	LE 203/LE 213/LE 201/LE 211	
A-Length with fan-cooled radiator	mm	2125
B-Width with fan-cooled radiator	mm	1600
C-Height with fan-cooled radiator	mm	1826
D-Height of lower edge of engine to middle of crankshaft	mm	453.5
Dry weight with cooling system	kg	1480